

RAW SEQUENCE LISTING

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Application Serial Number: 10/551,866
Source: PCP/10
Date Processed by STIC: 10/14/05

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/551,866

DATE: 10/14/2005

TIME: 13:30:35

Input Set : A:\18220-003US1.txt
 Output Set: N:\CRF4\10142005\J551866.raw

3 <110> APPLICANT: Kobayashi, Masanobu and Jian, Chen
 5 <120> TITLE OF INVENTION: DRUG
 7 <130> FILE REFERENCE: 18220-003US1
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/551,866
 C--> 9 <141> CURRENT FILING DATE: 2005-10-03
 9 <150> PRIOR APPLICATION NUMBER: PCT/JP04/004917
 10 <151> PRIOR FILING DATE: 2004-04-05
 12 <150> PRIOR APPLICATION NUMBER: 60/459,644
 13 <151> PRIOR FILING DATE: 2003-04-03
 15 <160> NUMBER OF SEQ ID NOS: 16
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 313
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
 25 Met Leu Leu Ser Lys Ile Asn Ser Leu Ala His Leu Arg Ala Ala Pro
 26 1 5 10 15
 28 Cys Asn Asp Leu His Ala Thr Lys Leu Ala Pro Gly Lys Glu Lys Glu
 29 20 25 30
 31 Pro Leu Glu Ser Gln Tyr Gln Val Gly Pro Leu Leu Gly Ser Gly Gly
 32 35 40 45
 34 Phe Gly Ser Val Tyr Ser Gly Ile Arg Val Ser Asp Asn Leu Pro Val
 35 50 55 60
 37 Ala Ile Lys His Val Glu Lys Asp Arg Ile Ser Asp Trp Gly Glu Leu
 38 65 70 75 80
 40 Pro Asn Gly Thr Arg Val Pro Met Glu Val Val Leu Leu Lys Val
 41 85 90 95
 43 Ser Ser Gly Phe Ser Gly Val Ile Arg Leu Leu Asp Trp Phe Glu Arg
 44 100 105 110
 46 Pro Asp Ser Phe Val Leu Ile Leu Glu Arg Pro Glu Pro Val Gln Asp
 47 115 120 125
 49 Leu Phe Asp Phe Ile Thr Glu Arg Gly Ala Leu Gln Glu Glu Leu Ala
 50 130 135 140
 52 Arg Ser Phe Phe Trp Gln Val Leu Glu Ala Val Arg His Cys His Asn
 53 145 150 155 160
 55 Cys Gly Val Leu His Arg Asp Ile Lys Asp Glu Asn Ile Leu Ile Asp
 56 165 170 175
 58 Leu Asn Arg Gly Glu Leu Lys Leu Ile Asp Phe Gly Ser Gly Ala Leu
 59 180 185 190
 61 Leu Lys Asp Thr Val Tyr Thr Asp Phe Asp Gly Thr Arg Val Tyr Ser
 62 195 200 205
 64 Pro Pro Glu Trp Ile Arg Tyr His Arg Tyr His Gly Arg Ser Ala Ala

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65	210	215	220
67	Val Trp Ser Leu Gly Ile Leu Leu Tyr Asp Met Val Cys Gly Asp Ile		
68	225	230	235
70	Pro Phe Glu His Asp Glu Glu Ile Ile Arg Gly Gln Val Phe Phe Arg		240
71	245	250	255
73	Gln Arg Val Ser Ser Glu Cys Gln His Leu Ile Arg Trp Cys Leu Ala		
74	260	265	270
76	Leu Arg Pro Ser Asp Arg Pro Thr Phe Glu Glu Ile Gln Asn His Pro		
77	275	280	285
79	Trp Met Gln Asp Val Leu Leu Pro Gln Glu Thr Ala Glu Ile His Leu		
80	290	295	300
82	His Ser Leu Ser Pro Gly Pro Ser Lys		
83	305	310	
86	<210> SEQ ID NO: 2		
87	<211> LENGTH: 942		
88	<212> TYPE: DNA		
89	<213> ORGANISM: Homo sapiens		
91	<400> SEQUENCE: 2		
92	atgctttgt ccaaaatcaa ctcgcttgc cacctgcgcg ccgcgcctg caacgacctg 60		
93	cacccacca agctggcgcc cgcaaggag aaggagcccc tggagtgcga gtaccaggtg 120		
94	ggcccgctac tggcagcgg cgcttcggc tcggctact caggcatccg cgtctccgac 180		
95	aacctgcggg tggccatcaa acacgtggag aaggaccgga tttccgactg gggagagctg 240		
96	cctaattggca ctcgagtgcc catggaaagtg gtcctgctga agaaggttag ctcgggttc 300		
97	tccggcgtca ttaggctcct ggactggttc gagagcccg acagttcgt cctgatcctg 360		
98	gagaggcccg agccggtgca agatctttc gacttcatca cggaaagggg agccctgcaa 420		
99	gaggagctgg cccgcagctt ctctggcag gtgctggagg ccgtgcggca ctgccacaac 480		
100	tgcggggtgc tccaccgcga catcaaggac gaaaacatcc ttatcgaccc caatcgccgc 540		
101	gagctcaagc tcatcgactt cgggtcgggg gcgctgctca aggacaccgt ctacacggac 600		
102	ttcgatggga cccgagtgtta tagccctcca gagttgatcc gctaccatcg ctaccatggc 660		
103	aggtcgccgg cagtctggtc cttggggatc ctgctgtatg atatggtgtg tggagatatt 720		
104	cctttcgagg atgacaaga gatcatcagg ggcagggtt tcttcaggca gagggctct 780		
105	tcagaatgtc agcatctcat tagatggtc ttggccctga gaccatcaga taggccaacc 840		
106	ttcgaagaaa tccagaacca tccatggatg caagatgttc tcctgcccc gaaactgt 900		
107	gagatccacc tccacagctt gtcgggggg cccagcaa at ag 942		
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111	<211> LENGTH: 233		
112	<212> TYPE: PRT		
113	<213> ORGANISM: Homo sapiens		
115	<400> SEQUENCE: 3		
116	Pro Asn Gly Thr Arg Val Pro Met Glu Val Val Leu Leu Lys Lys Val		
117	1 5 10 15		
119	Ser Ser Gly Phe Ser Gly Val Ile Arg Leu Leu Asp Trp Phe Glu Arg		
120	20 25 30		
122	Pro Asp Ser Phe Val Leu Ile Leu Glu Arg Pro Glu Pro Val Gln Asp		
123	35 40 45		
125	Leu Phe Asp Phe Ile Thr Glu Arg Gly Ala Leu Gln Glu Glu Leu Ala		
126	50 55 60		
128	Arg Ser Phe Phe Trp Gln Val Leu Glu Ala Val Arg His Cys His Asn		
129	65 70 75 80		

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131 Cys Gly Val Leu His Arg Asp Ile Lys Asp Glu Asn Ile Leu Ile Asp
 132 85 90 95
 134 Leu Asn Arg Gly Glu Leu Lys Leu Ile Asp Phe Gly Ser Gly Ala Leu
 135 100 105 110
 137 Leu Lys Asp Thr Val Tyr Thr Asp Phe Asp Gly Thr Arg Val Tyr Ser
 138 115 120 125
 140 Pro Pro Glu Trp Ile Arg Tyr His Arg Tyr His Gly Arg Ser Ala Ala
 141 130 135 140
 143 Val Trp Ser Leu Gly Ile Leu Tyr Asp Met Val Cys Gly Asp Ile
 144 145 150 155 160
 146 Pro Phe Glu His Asp Glu Glu Ile Ile Arg Gly Gln Val Phe Phe Arg
 147 165 170 175
 149 Gln Arg Val Ser Ser Glu Cys Gln His Leu Ile Arg Trp Cys Leu Ala
 150 180 185 190
 152 Leu Arg Pro Ser Asp Arg Pro Thr Phe Glu Glu Ile Gln Asn His Pro
 153 195 200 205
 155 Trp Met Gln Asp Val Leu Leu Pro Gln Glu Thr Ala Glu Ile His Leu
 156 210 215 220
 158 His Ser Leu Ser Pro Gly Pro Ser Lys
 159 225 230

162 <210> SEQ ID NO: 4

163 <211> LENGTH: 702

164 <212> TYPE: DNA

165 <213> ORGANISM: Homo sapiens

167 <400> SEQUENCE: 4

168 cctaatggca ctcgagtgcc catggaaagtg gtcctgctga agaaggtagag ctccgggttgc 60
 169 tccggcgtca ttaggctcct gagactggttc gagaggcccc acagtttcgt cctgatcctg 120
 170 gagaggcccc agccgtgcga agatctctc gacttcatca cggaaaagggg agccctgc当地 180
 171 gaggagctgg cccgcagctt cttctggcag gtgctggagg ccgtgcggca ctgccacaac 240
 172 tgcgggggtgc tccaccgcga catcaaggac gaaaacatcc ttatcgacct caatcgccgc 300
 173 gagctcaagc tcatacgactt cgggtcgaaaa ggcgtgc当地 aggacaccgt ctacacggac 360
 174 ttcatgggg cccgagtgta tagccctcca gagttggatcc gctaccatcg ctaccatggc 420
 175 aggtcgccgg cagtcggcgc cctggggatc ctgtgtatg atatgggttg tggagatatt 480
 176 ccttcgagc atgacaaga gatcatcagg ggccaggattt tcttcagca gaggtctct 540
 177 tcagaatgtc agcatctcat tagatgggc ttggccctga gaccatcaga taggccaacc 600
 178 ttcaagaaa tccagaacca tccatggatc caagatgttc tcctgccccca ggaaactgct 660
 179 gagatccacc tccacagcgt gtcggccggg cccagcaaat ag 702

182 <210> SEQ ID NO: 5

183 <211> LENGTH: 20

184 <212> TYPE: DNA

185 <213> ORGANISM: Artificial Sequence

187 <220> FEATURE:

188 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer

190 <400> SEQUENCE: 5

191 gggtggatgc tcttgtccaa

20

194 <210> SEQ ID NO: 6

195 <211> LENGTH: 19

196 <212> TYPE: DNA

197 <213> ORGANISM: Artificial Sequence

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199 <220> FEATURE:
 200 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
 202 <400> SEQUENCE: 6 19
 203 ccttccagaa gtcttctat
 206 <210> SEQ ID NO: 7
 207 <211> LENGTH: 40
 208 <212> TYPE: DNA
 209 <213> ORGANISM: Artificial Sequence
 211 <220> FEATURE:
 212 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
 214 <400> SEQUENCE: 7
 215 gtagaattcg ccaccatgcc tgcctaattgg cactcgagtg 40
 218 <210> SEQ ID NO: 8
 219 <211> LENGTH: 25
 220 <212> TYPE: DNA
 221 <213> ORGANISM: Artificial Sequence
 223 <220> FEATURE:
 224 <223> OTHER INFORMATION: Description of Artificial Sequence:PCR primer
 226 <400> SEQUENCE: 8
 227 gtactatatttg ctggggcccg gcgac 25
 230 <210> SEQ ID NO: 9
 231 <211> LENGTH: 29
 232 <212> TYPE: RNA
 233 <213> ORGANISM: Artificial Sequence
 235 <220> FEATURE:
 236 <223> OTHER INFORMATION: Description of Artificial Sequence:short
 237 interference RNA
 239 <400> SEQUENCE: 9
 240 aaugaugaag ucgaagagau cccugucuc 29
 243 <210> SEQ ID NO: 10
 244 <211> LENGTH: 29
 245 <212> TYPE: RNA
 246 <213> ORGANISM: Artificial Sequence
 248 <220> FEATURE:
 249 <223> OTHER INFORMATION: Description of Artificial Sequence:short
 250 interference RNA
 252 <400> SEQUENCE: 10
 253 aagaucucuu cgacucauc accugucuc 29
 256 <210> SEQ ID NO: 11
 257 <211> LENGTH: 29
 258 <212> TYPE: RNA
 259 <213> ORGANISM: Artificial Sequence
 261 <220> FEATURE:
 262 <223> OTHER INFORMATION: Description of Artificial Sequence:short
 263 interference RNA
 265 <400> SEQUENCE: 11
 266 aaaucuaaug agaungcugac accugucuc 29
 269 <210> SEQ ID NO: 12
 270 <211> LENGTH: 29

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Input Set : A:\18220-003US1.txt
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271 <212> TYPE: RNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence:short
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278 <400> SEQUENCE: 12
279 aaugucagca ucuauuaaga uccugucuc 29
282 <210> SEQ ID NO: 13
283 <211> LENGTH: 29
284 <212> TYPE: RNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence:short
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291 <400> SEQUENCE: 13
292 aaaaucccaugg augguucugg accugucuc 29
295 <210> SEQ ID NO: 14
296 <211> LENGTH: 29
297 <212> TYPE: RNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence:short
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304 <400> SEQUENCE: 14
305 aauccagaac cauccaugga uccugucuc 29
308 <210> SEQ ID NO: 15
309 <211> LENGTH: 21
310 <212> TYPE: RNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Description of Artificial Sequence:short
interference RNA
317 <400> SEQUENCE: 15
318 ggcuacgucc aggagcgcac c 21
321 <210> SEQ ID NO: 16
322 <211> LENGTH: 8
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
329 <400> SEQUENCE: 16
330 taacggtt 8

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/551,866

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Input Set : A:\18220-003US1.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date